

**WHAT IS CLAIMED IS:**

1-18. (Canceled)

19. (New) A schedule transmission method in a mobile terminal having a short message service (SMS) function and a schedule function, the method comprising the steps of:

determining whether a schedule transmission input for transmitting a schedule recorded in the mobile terminal to an other mobile terminal is selected by a user; and

if the schedule transmission input is selected, converting a data format of the schedule into a data format of a schedule-recordable SMS message and transmitting the schedule-recordable SMS message to said other mobile terminal.

20. (New) The schedule transmission method of claim 19, wherein the converting step further comprises repeatedly transmitting the converted SMS message to a plurality of other mobile terminals when transmitting the schedule-recordable SMS message to the other mobile terminal.

21. (New) The schedule transmission method of claim 19, wherein the data format of the schedule-recordable SMS message obtained by converting the data format of the schedule comprises a parameter distinguishing whether a corresponding message is a common SMS message or a schedule-recordable SMS message.

22. (New) A schedule recording method in a mobile terminal having a short message service (SMS) message reception function and a schedule function, the method comprising the steps of:

upon receiving an SMS message, determining whether the received SMS

message is a common SMS message or a schedule-recordable SMS message; if the received SMS message is a schedule-recordable SMS message, determining whether a schedule recording key is input; and if the schedule recording key is input, converting a data format of the received SMS message into a format recordable in a scheduler, and recording the converted data in the scheduler.

23. (New) A schedule transmission method in a mobile terminal, comprising the steps of:

if a schedule message transmission input for schedule recording to other mobile terminals is selected by a user, transmitting a schedule message to the other mobile terminals; and

upon receiving the schedule message, recording schedule information of the received schedule message as a schedule if a schedule recording input is selected by the user.

24. (New) The schedule transmission method of claim 23, wherein the schedule message is transmitted using an SMS service.

25. (New) The schedule transmission method of claim 23, wherein the schedule message is transmitted using an E-mail over the Internet.

26. (New) The schedule transmission method of claim 24, wherein the transmitting step further comprises:

determining whether a schedule transmission input for transmitting a schedule recorded in the mobile terminal to the other mobile terminals is selected by the user; and

if the schedule transmission input is selected, converting a data format of the schedule into a data format of a schedule-recordable SMS message, and

transmitting the schedule-recordable SMS message to the other mobile terminals.

27. (New) The schedule transmission method of claim 26, wherein the data format of the SMS message obtained by converting the data format of the schedule comprises an identifier for distinguishing whether a corresponding message is a common SMS message or a schedule-recordable SMS message.

28. (New) The schedule transmission method of claim 26, wherein the data format of the SMS message obtained by converting the data format of the schedule includes a tag indicating a schedule subject, a date, a time, contents, a schedule lasting time, or a phone number of the other party.

29. (New) The schedule transmission method of claim 25, wherein the transmitting step further comprises:

determining whether a schedule transmission input for transmitting an SMS message containing schedule information and alert information to an other mobile terminal is selected by the user; and

if the schedule transmission input is selected, converting a data format of the SMS message into a data format of a schedule-recordable SMS message, and transmitting the schedule-recordable SMS message to said other mobile terminal.

30. (New) The schedule transmission method of claim 29, wherein the step of converting a data format of the SMS message into a data format of the schedule-recordable SMS message comprises the step of dividing a data field of an SMS message into a subparameter ID (identifier), a subparameter length, an alert mode, an alert time\_year, an alert time\_month, an alert time\_date, an alert time\_hours, an alert time\_minutes, and an alert time\_seconds according to a corresponding schedule, so as to enable the other mobile terminal to be able to record the SMS message as a schedule.

31. (New) The schedule transmission method of claim 24, wherein the recording step further comprises:

upon receiving an SMS message, if the received SMS message is a schedule-recordable message, determining whether a schedule recording key is input; and

if the schedule recording key is input, converting a data format of the received SMS message into a format recordable in a scheduler and recording the converted data in the scheduler.

32. (New) The schedule transmission method of claim 24, wherein the recording step further comprises:

upon receiving an SMS message, if the received SMS message is a schedule-recordable message, determining whether a schedule recording key is input; and

if the schedule recording key is input, recording a schedule including alert information of the received SMS message.

33. (New) The schedule transmission method of claim 22, wherein the step of recording the schedule containing alert information of the received SMS message comprises the steps of:

analyzing a schedule contents, an alert mode, and an alert time by consulting data of a data field of the received SMS message; and

recording the analyzed schedule contents, alert mode and alert time in the scheduler.

34. (New) The schedule transmission method of claim 132, wherein the step of recording the schedule containing alert information of the received SMS message comprises the steps of:

checking the schedule by analyzing a preset tagged text for schedule recording in the received SMS message; and  
recording the checked schedule.

35. (New) The schedule transmission method of claim 23, further comprising the step of recording the received schedule message in a scheduler and then displaying the recorded schedule on an external window if an input for displaying the recorded schedule on the external window is selected by the user.

36. (New) The schedule transmission method of claim 35, wherein the step of displaying the recorded schedule on an external window comprises the step of comparing a lasting time of the recorded schedule with a current time, displaying a corresponding schedule on the external window if a date and a time are identical to the current time, and avoiding displaying the corresponding schedule if the time and the lasting time have elapsed.

37. (New) The schedule transmission method of claim 19, wherein the data format of the SMS message obtained by converting the data format of the schedule comprises a parameter identifying the number of recipients to which the schedule is to be transmitted.

38. (New) The schedule transmission method of claim 19, wherein the data format of the SMS message obtained by converting the data format of the schedule comprises parameters indicating a length of the schedule contents, an alert date and a time information of the schedule to be recorded, use of an alert tone for the schedule, and a type of the alert tone.